

Title (en)

Method for preparing an impact-resistant antistatic polyacetal composition

Title (de)

Methode zur Herstellung einer schlagzähnen, antistatischen Polyacetalabmischung

Title (fr)

Méthode pour la préparation d'une composition de polyacétal antistatique et résistante aux chocs

Publication

EP 0733667 A1 19960925 (EN)

Application

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Priority

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Abstract (en)

The invention relates to a method for preparing a polyacetal-based polymer composition with a high impact strength comprising 35-96.5 wt.% of a polyacetal component, 3-40 wt.% of a polyurethane component and 0.5-20 wt.% of a carbon black component with all percentages referring to the mass of the polymer composition, wherein the polyurethane component and the carbon black component are compounded prior to adding the polyacetal component, and the polyacetal-based polymer composition obtainable by such method. The invention furthermore relates to a capstan or drive roller for a magnetic tape or data cartridge comprising a polyacetal-based polymer composition which comprises 35-96.6 wt.% of a polyacetal component, 3-40 wt.% of a polyurethane component and 0.5-20 wt.% of a carbon black component with all percentages referring to the mass of the polymer composition.

IPC 1-7

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Citation (search report)

- [Y] DE 1544677 A1 19690731 - CELANESE CORP
- [DY] EP 0327384 A1 19890809 - HOECHST CELANESE CORP [US]
- [Y] EP 0339910 A1 19891102 - POLYPLASTICS CO [JP]
- [A] WO 9113017 A1 19910905 - GIGATEK MEMORY SYSTEMS [US]
- [DY] PATENT ABSTRACTS OF JAPAN vol. 18, no. 337 (C - 1217) 27 June 1994 (1994-06-27)

Cited by

CN109880281A; US5844037A; US9991021B2; WO2014093055A1; WO9803578A1; WO2014081537A3

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